

WHAT IS CLAIMED IS:

1. A bicycle pedal comprising:

a pedal shaft having a center rotational axis;

a pedal body rotatably coupled to the pedal shaft about the center rotational axis of the pedal shaft, the pedal body having a first end and a second end with a center plane extending between the first and second ends and passing through the center rotational axis of the pedal shaft;

a front clamping member coupled to the first end of the pedal body with a front cleat engagement surface facing towards the center plane of the pedal body and a front cleat stop surface spaced forwardly from the center rotational axis of the pedal shaft by a first offset distance measured perpendicular to the front cleat stop surface; and

a rear clamping member pivotally coupled to the second end of the pedal body to pivot in a generally rearward direction, the rear clamping member having a rear cleat engagement surface facing towards the center plane of the pedal body and a rear cleat stop surface spaced rearwardly from the center rotational axis of the pedal shaft by a second offset distance measured perpendicular to the rear cleat stop surface, the second offset distance being smaller than the first offset distance.

2. The bicycle pedal according to claim 1, wherein

the pedal body has a first biasing member operatively coupled between the rear clamping member and the pedal body to urge the rear clamping member to a cleat engaging position,

3. The bicycle pedal according to claim 1, wherein

the front and rear cleat engagement surfaces lie substantially in a single plane.

4. The bicycle pedal according to claim 1, wherein

the pedal body has an opposite side front clamping member coupled to the second end of the pedal body and an opposite side rear clamping member pivotally coupled to the first end of the pedal body, the opposite side front clamping member having an opposite side front cleat engagement surface facing towards the center plane of the pedal body and an opposite side front cleat stop surface spaced from the center rotational axis of the pedal shaft by the first offset distance measured

perpendicular to the opposite side front cleat stop surface, and the opposite side rear clamping member having an opposite side rear cleat engagement surface facing towards the center plane of the pedal body and an opposite side rear cleat stop surface spaced from the center rotational axis of the pedal shaft by the second offset distance measured perpendicular to the rear cleat stop surface.

5. The bicycle pedal according to claim 4, wherein the pedal body has a first biasing member operatively coupled between the rear clamping member and the pedal body to urge the rear clamping member to a cleat engaging position, and a second biasing member operatively coupled between the opposite side rear clamping member and the pedal body to urge the opposite side rear clamping member to a cleat engaging position.

6. The bicycle pedal according to claim 5, wherein the front and rear cleat engagement surfaces lie substantially in a first single plane, and the opposite side front and rear cleat engagement surfaces lie substantially in a second single plane.

7. The bicycle pedal according to claim 1, wherein the front clamping member is pivotally coupled to the first end of the pedal body to pivot in a generally forward direction about a first pivot axis that is parallel to a second pivot axis of the rear clamping member.

8. The bicycle pedal according to claim 7, wherein the front cleat engagement surface is radially spaced from the first pivot axis by a first lever distance; and the front and rear cleat engagement surface is radially spaced from the second pivot axis by a second lever distance that is larger than the first lever distance.

9. The bicycle pedal according to claim 7, wherein the front and rear cleat engagement surfaces lie substantially in a single plane.

10. A bicycle pedal comprising:
a pedal shaft having a center rotational axis;
a pedal body rotatably coupled to the pedal shaft about the center rotational axis of the pedal shaft, the pedal body having a first end and a second end with a center plane extending between the first and second ends and passing through the center rotational axis of the pedal shaft;
a front clamping member pivotally coupled to the first end of the pedal body about a first pivot axis to pivot in a generally forward direction, the front clamping member having a front cleat engagement surface facing towards the center plane of the pedal body, the front cleat engagement surface being radially spaced from the first pivot axis by a first lever distance; and
a rear clamping member pivotally coupled to the second end of the pedal body about a second pivot axis to pivot in a generally rearward direction, the rear clamping member having a rear cleat engagement surface facing towards the center plane of the pedal body, the rear cleat engagement surface being radially spaced from the second pivot axis by a second lever distance that is larger than the first lever distance.

11. The bicycle pedal according to claim 10, wherein
the front and rear cleat engagement surfaces lie substantially in a single plane.

12. The bicycle pedal according to claim 10, wherein
the pedal body has a first biasing member operatively coupled between the front clamping member and the pedal body to urge the front clamping member to a front cleat engaging position, and
the pedal body has a second biasing member operatively coupled between the rear clamping member and the pedal body to urge the rear clamping member to a rear cleat engaging position.

13. The bicycle pedal according to claim 10, wherein
the pedal body has an opposite side front clamping member pivotally coupled to the second end of the pedal body about the second pivot axis, and an opposite side rear clamping member pivotally coupled to the first end of the pedal body about the first pivot axis.

14. The bicycle pedal according to claim 13, wherein
the opposite side front clamping member has an opposite side front cleat engagement surface being radially spaced from the first pivot axis by the first lever distance, and the opposite side rear clamping member has an opposite side rear cleat engagement surface being radially spaced from the second pivot axis by the second lever distance.

15. The bicycle pedal according to claim 14, wherein
the pedal body has a first biasing member coupled between the front clamping member and the opposite side rear clamping member to urge the front clamping member and the opposite side rear clamping member to cleat engaging positions, and
the pedal body has a second biasing member operatively coupled between the rear clamping member and the opposite side front clamping member to urge the rear clamping member and the opposite side front clamping member to cleat engaging positions.

16. The bicycle pedal according to claim 15, wherein
the first biasing member includes at least one first torsion spring with a coiled portion located on a first pivot pin, a first end of the first torsion spring contacting the front clamping member and a second end of the first torsion spring contacting the opposite side rear clamping member, and
the second biasing member includes at least one second torsion spring with a coiled portion located on a second pivot pin, a first end of the second torsion spring contacting the rear clamping member and a second end of the second torsion spring contacting the opposite side front clamping member.

17. The bicycle pedal according to claim 16, wherein
the first pivot pin pivotally couples the front clamping member and the opposite side rear clamping member to the pedal body, and
the second pivot pin pivotally couples the rear clamping member and the opposite side front clamping member to the pedal body.

18. The bicycle pedal according to claim 17, wherein
the front clamping member has a front cleat stop spaced from the center rotational axis of the pedal shaft by a first offset distance measured perpendicular to the opposite side front cleat stop surface; and
the opposite side front clamping member has an opposite side front cleat stop spaced from the center rotational axis of the pedal shaft by the first offset distance measured perpendicular to the opposite side front cleat stop surface;
the rear clamping member has a rear cleat stop spaced from the center rotational axis of the pedal shaft by a second offset distance measured perpendicular to the rear cleat stop surface, and
the opposite side rear clamping member has an opposite side rear cleat stop spaced from the center rotational axis of the pedal shaft by the second offset distance measured perpendicular to the opposite side rear cleat stop surface, the second offset distances being smaller than the first offset distances.

19. The bicycle pedal according to claim 18, wherein
the front and rear cleat engagement surfaces of the front and rear clamping members lie substantially in a first single plane, and
the front and rear opposite side cleat engagement surfaces of the opposite side front and rear clamping members lie substantially in a second single plane.

20. The bicycle pedal according to claim 19, wherein
the first single plane is substantially parallel to the second single plane.